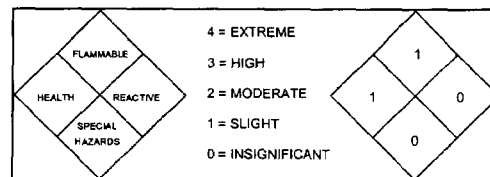


MATERIAL SAFETY DATA SHEET

GAF MATERIALS CORPORATION

GAFGLAS® STRATAVENT® (PERFORATED), GAFGLAS® STRATAVENT® (NAILABLE), GAFGLAS® MINERAL SURFACED CAP SHEET, MINERAL GUARD®, MINERAL GUARD DOUBLE COVERAGE®, DUBL=COVERAGE® (NLM), 18" MINERALIZED STARTER (NLM), TILE-MATE™ UNDERLAYMENT, TILE-MATE™ CAP SHEET



(NLM) NO LONGER MANUFACTURED – EFFECTIVE ON OR BEFORE 1/1/94

ROLL ROOFING

Manufacturer	GAF MATERIALS CORPORATION	Identity (Trade Name As Used On Label)	
Address	1361 Alps Road	MSDS Number*	1005
	Wayne, NJ 07470	CAS Number*	None
Phone Number (For Information)	(973) 628-4092	Date Prepared	5/20/85 rev. 12/01
Emergency Phone Number	(615) 256-8899	Prepared By*	V. R. Canfield/P. Hennings

NOTE: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS - Chemical Name & Common Names (Hazardous Components 1% or Greater; Carcinogens 0.1% or greater)	%*	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
SILICA, CRYSTALLINE QUARTZ CAS #14808-60-7	Approx. 5	See Table Z-3	*0.1 mg/m3	--
*Respirable Dust				
Non-Hazardous Ingredients	Approx. 95			
Total	100			

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	N/A	Specific Gravity (H2O = 1)	N/A
Vapor Pressure (mm Hg and Temperature)	N/A	Melting Point	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water	INSOLUBLE	Water Reactive	N/A
Appearance and Odor THIN BLACK SHEET IN ROLL FORM, GRANULES ON ONE SIDE, SAND ON THE OTHER. SLIGHT ASPHALTIC ODOR.			

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method Used	Auto-Ignition Temperature	Flammability Limits in Air % by Volume	LEL	UEL
>500F, COC	N/A	N/A	N/A	N/A
Extinguisher Media CO2, FOAM, DRY CHEMICAL OR WATER				
Special Fire Fighting Procedures// WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING				
Unusual Fire and Explosion Hazards NONE				

* Optional

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SECTION 4 - REACTIVITY HAZARD DATA

STABILITY	Stable <input checked="" type="checkbox"/> Unstable <input type="checkbox"/>	Conditions N/A To Avoid
Incompatibility (Materials to Avoid) N/A		
Hazardous Decomposition Products THERMAL DECOMPOSITION MAY RELEASE CO, CO2, CARBON PARTICULATES, METHANE, AMMONIA, HYDROGEN CYANIDE AND HYDROGEN SULFIDE.		
HAZARDOUS POLYMERIZATION <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not Occur		Conditions To Avoid N/A

SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: <input checked="" type="checkbox"/> Inhalation <input type="checkbox"/> Skin Absorption <input type="checkbox"/> Ingestion <input type="checkbox"/> Not Haz		CARCINOGEN LISTED IN: (SILICA ONLY) <input type="checkbox"/> NTP <input checked="" type="checkbox"/> IARC Monograph <input type="checkbox"/> OSHA <input type="checkbox"/> Not Listed
HEALTH	Acute N/A	
HAZARDS	Chronic SILICA: LIMITATION OF EXPANSION OF THE CHEST, EMPHYSEMA.	
Signs and Symptoms of Exposure SILICA: SHORTNESS OF BREATH ON EXERTION, DRY COUGH.		
Medical Conditions Generally Aggravated by Exposure SILICA, RESPIRATORY AILMENTS		
EMERGENCY FIRST AID PROCEDURES -		
Eye Contact FLUSH EYES WITH FLOWING WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.		
Skin Contact COOL WITH ICE OR WATER. DO NOT ATTEMPT TO REMOVE ASPHALT IMMEDIATELY. COVER WITH PETROLEUM JELLY (VASELINE) AND REMOVE WHEN ASPHALT HAS SOFTENED.		
Inhalation MOVE TO AREA WITH FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION.		
Ingestion GET MEDICAL ADVISE.		

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (Specify Type) N/A		
Protective Gloves N/A		Eye Protection SAFETY GLASSES WITH SIDE SHIELDS
VENTILATION	<input type="checkbox"/> Local Exhaust N/A	<input type="checkbox"/> Mechanical (General) N/A
TO BE USED	<input type="checkbox"/> Special N/A	<input type="checkbox"/> Other (Specify) USE SUFFICIENT NATURAL VENTILATION
Other Protective Clothing and Equipment LONG SLEEVE SHIRT AND LONG TROUSERS (BOTH WITH MINIMAL SYNTHETIC FIBER CONTENT). SOLID WORK SHOES.		
Hygienic Work Practices WASH HANDS AFTER APPLICATION		

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE/LEAK PROCEDURES

Steps to be Taken if Material is Spilled or Released PICK UP PIECES AND DISPOSE PROPERLY. USE A DUST SUPPRESSANT IF SWEEPING IS NECESSARY.	
Waste Disposal Methods DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.	
Precautions to be Taken in Handling and Storage HOT ASPHALT IS USED TO INSTALL MOST OF THESE PRODUCTS AND IS HAZARDOUS IF EYE OR SKIN CONTACT IS MADE.	
Other Precautions and/or Special Hazards WHEN HEATED, SMALL AMOUNTS OF HYDROGEN SULFIDE MAY BE GIVEN OFF. HYDROGEN SULFIDE IS A FLAMMABLE, TOXIC GAS. BREATHING OF FUMES MUST BE AVOIDED.	